

1st Six Months  
Revised 5/25/10

**APPRENTICE RECORD  
HEP MECHANIC  
RELATED TRAINING**

**BEGINNING W/GROUP #XXXVII**

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SUBJECT	TEXT	ASSIGNMENTS	EXAMS	DATE	SCORE
1. Orientation and OP-2	DWR Course, OP-2	<b>Classroom attendance @ SJFD O&amp;M - Training Center Class #0 - 40 Hours</b>	Instructor Test		
2. Using Hand Tools	TPC Training Systems #107 Maintenance Fundamentals	Unit 107: 20 Study Hours Request and complete Handout Exam.	Unit 107		
3. Using Math in the Plant	TPC Training Systems #103 Maintenance Fundamentals	Unit 103: 20 Study Hours Request and complete Handout Exam.	Unit 103		
4. Mathematics Review	Instructor's Materials	<b>Classroom attendance @ SJFD O&amp;M - Training Center Class #1 - 40 Hours</b>	Instructor Test		
5. Making Measurements	TPC Training Systems #104 Maintenance Fundamentals	Unit 104: 20 Study Hours Request and complete Handout Exam.	Unit 104		
6. Elements of Mechanics	TPC Training Systems #301 Mechanical Maintenance	Unit 301: 20 Study Hours Request and complete Handout Exam.	Unit 301		
7. Basic Electricity	Electricity 1 - 7 by: Harry Mileaf	Chapter 1: 5 Study Hours Request and complete Handout Exam.	Chapter 1		
		Chapter 2: 5 Study Hours Request and complete Handout Exam.	Chapter 2		
		Chapter 3: 5 Study Hours Request and complete Handout Exam.	Chapter 3		
8. Basic Electricity	Instructor's Materials	<b>Classroom attendance @ SJFD O&amp;M - Training Center Class #2 - 40 Hours</b>	Instructor Test		
9. Structure Properties and Behavior of Matter	Principles of Hydro-Electric Power, Volume I (HSC)	Chapter 1: 10 Study Hours Request and complete Handout Exam.	Cha. 1		
		Chapter 2: 10 Study Hours Request and complete Handout Exam.	Cha. 2		
10. Safe Clearance Procedures	General Operating Procedures, OP-2	During working hours, instructor to certify.	Instructor Test		
11. Mechanical Fundamentals	Instructor's Materials	<b>Classroom attendance @ SJFD O&amp;M - Training Center Class #4 - 40 Hours</b>	Instructor Test		
12. Machine Friction and Bearings	Principles of Hydro-Electric Power, Volume I (HSC)	Chapter 3: 6 Study Hours Request and complete Handout Exam.	Cha. 3		

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13. Motion and its Transmission by Machine Parts	Principles of Hydro-Electric Power, Volume I (HSC)	Chapter 4: 6 Study Hours Request and complete Handout Exam.	Cha. 4		
14. OP-2	Instructor's Materials	<b>Classroom attendance @ SJFD O&amp;M - Training Center 16 Hours</b>	Instructor Test		
15. Lubricants and Lubrication	Principles of Hydro-Electric Power, Volume I (HSC)	Chapter 5: 6 Study Hours Request and complete Handout Exam.	Cha. 5		
16. 1st Six Month Final Exam	Review all text study material	Field Division Proctor to administer. Closed-book 1st-Six Month Final Exam	1st Six Month Final Exam		
17. 1st Six Month Achievement Test	Hands-on demonstration of proficiency	During working hours, task to be selected and graded by Supervisor	Supervisor Test		